TFTM5X 5" TFT LCD Colour Module

Connecting Power

This module operates from 12 volts DC +/- 10%. It draws 0.37amps (370mA) +/- 10% of current so the power supply should be capable of meeting this requirement. The in-line socket is a standard 2.1mm DC power type. The plug _**MUST**_ be wired with the **centre pin positive** (figure 1.) and the **outer shell negative.** For safety reasons, a half amp slow-blow fuse (500mA TD) should be included in the power supply to the module.

Centre Pin is Positive

2.1mm DC Power Socket
Figure 1.

Connecting the Video Signal

The standard RCA in-line socket accepts an RCA plug. The video signal can be PAL or NTSC and must be 1 Volt P-P composite video. (standard composite)

Picture Adjustments

All functions can be accessed by the remote control. The OSD gives a graphical indication of the adjustment settings. The reverse scan / normal scan (mirror image) can only be selected with the remote control by pressing the SYSTEM button. Figure 2 shows the control panel push-button switch functions. The infrared sensor should not be obstructed during the mounting process otherwise the signal from the remote control may not reach the sensor.
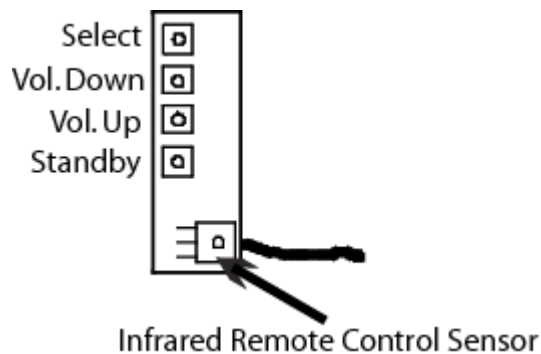
Select
Vol. Down
Vol. Up
Standby

Infrared Remote Control Sensor
Figure 2.

Standby

This function only blanks the picture and sound (if implemented) so normal power consumption will continue until power is turned off via an external switch.

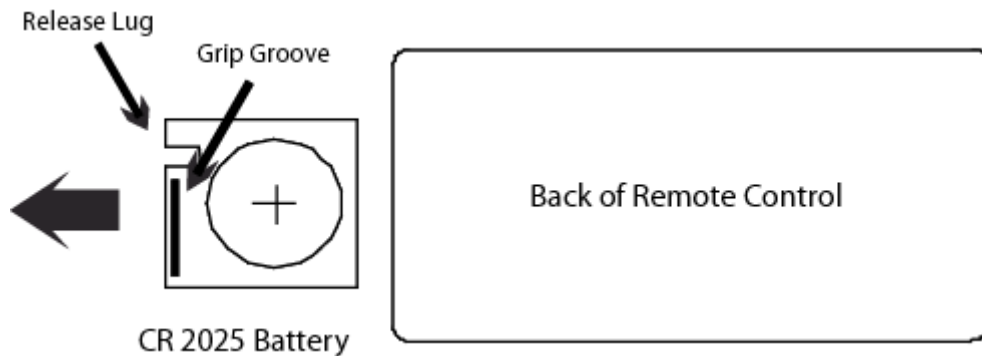**Note:** PCB connectors - 2mm 2 way

Audio In
In | Gnd.

Audio Out - to speaker
Out
Gnd.

Audio Connection Diagram

Replacing the Remote Control battery

Gently push the release lug towards the centre of the battery holder with the thumbnail while simultaneously pulling the battery holder out with the index finger nail. Refer to figure 3 and take care to reinsert the battery and holder in the correct orientation.

Installation

- Do not perform any mechanical, soldering or welding operations whatsoever on the metal screen surround
- The ground fly-lead attached to the metal screen surround can be connected to the negative supply or, in the event one is used, the metal box or metal panel the TFT module is installed into. If the ground fly-lead is unconnected, simply insulate it against accidental shorting to the PCB.
- Do not allow the printed circuit board (PCB) to contact the metal screen surround as this will cause short-circuiting of components on the PCB and therefore its certain destruction.
- Any mounting arrangement must also take into account the securing of the PCB. See suggested mounting instructions at http://www.crestmi.com.au

Environmental Parameters

Operating Temperature: -20°C to 60°C

Storage Temperature: -25°C to 70°C

Warranty

Crest Manufacturing Industries warrants this product against defects in materials and workmanship for a period of 12 months from the invoice date of purchase. We will, at our discretion, repair or replace the faulty unit, free of charge, provided it is returned to us with proof of purchase within the warranty period. Crest Manufacturing Industries, within Australia, will pay for return delivery after repair.
We reserve the right not to repair or replace goods that:

- have been mishandled, abused or not installed according to the guidelines as outlined in the instructions.

- have been subjected to a power surge from other equipment or other external factors.

- have been altered or modified.

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